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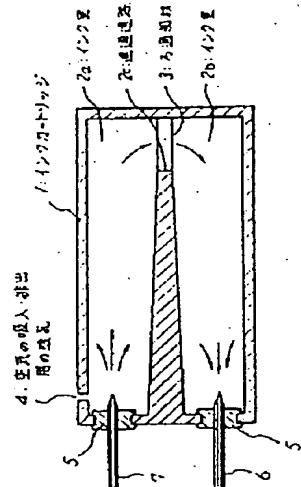
(54) INK CARTRIDGE FOR INK JET PRINTER

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(57) Abstract:

PURPOSE: To return an ink which has not been used for printing into a cartridge to minimize a waste of ink by a method wherein, in an ink cartridge provided with a supply ink chamber and a recovery ink chamber, an ink filtration member is provided on a path connecting the ink chambers with each other, and an air sucking/exhausting through hole is provided on the side of the recovery ink chamber.

CONSTITUTION: An ink is supplied to a head from an ink supply tube 6 inserted into an ink chamber 2b of an ink cartridge 1. The ink sucked out of a nozzle of the ink jet head is returned to an ink chamber 2a of the cartridge 1 through an ink lead-in tube 7. At this time, since air also flows into the cartridge 1, from an air sucking/exhausting through hole 4 excessive air is exhausted, or air is sucked with the decrease of the ink subsequent to printing. The ink returned into the ink chamber 2a of the ink cartridge 1 is again supplied to the head from the ink supply tube 6 via a filtration member 3 and the ink chamber 2b. In this manner, wasteful use of ink can be minimized.



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